10th Class Computer Science Guess Paper 2023 | All Boards of Punjab

Chapter No 1 (Introduction to Programming)

Important definitions:

IDE, Compiler, program, programmer, debugging, syntax, variable, constant

Important short questions:

1. Differentiate between char and int data types.
2. Write two rules for naming variables
3. Name two high level programming languages
4. What is a header file?
5. What is meant by declaration of variable?
6. What is meant by numeric constant?
7. Write the syntax for initiating a variable.
8. What is meant by data type of a variable?

Important long questions:

1. Define a program and explain the programming environment.
2. Define variables. Explain its data types.

Chapter No. 2 (User Interaction)

Important definitions

Statement terminator, format specifier, scanf function, escape sequence, rational operator, arithmetic operator, logical operator, assignment operator, operators, relational operators

Important short questions:

1. Name four operators used in C language.

2. Write uses of AND operator.

3. Write uses of OR operator.

4. Write Use of NOT operator.

5. What is meant by precedence of an operator

6. Write the syntax of printf()

7. Important Long Questions:

8. Explain Printf(), scanf(), and getch() fuinctions

9. What are logical operators? Explain any THREE Logical operators.

10. Define escape sequence. Explain different escape sequences that are used in C language.

Important Programs Questions

1. Write a program that takes the input the length of one side of a quadrilateral and calculate the area of it.

2. Write a program that takes 2-digit number form user, computes the product of both digits and shows the output.

3. Write a program that displays the following outputs using single printf() statement.

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4. Write a program that takes the radius of a circle as input. The program should calculate and display the area of the circle.

Chapter No. 3 (conditional logic)

Important definitions

Control statement, selection statement, sequential control, condition

Important short questions:

1. Differentiate between if statement and if-else statement.

2. What are nested selection structures?

Important Long questions:

1. Explain the structure of if-else statement in details.

2. Explain the if-else statement.

Important Programs questions

1. Write a program that takes the percentage of students as an input and displays "Pass" if the percentage is above 50.

2. Write a program that takes 2 integers as input and tells whether first one is a factor of the second one.

3. Write a program that takes a number as input and displays "Yes" if the input number is a multiple of 3, and has 5 in unit's place.

Unit 4 (Data and Repetition)

Important Definitions

Data Structure, Array, Loop structure, loop, nested loop, loop body

Important Short questions

1. Write syntax of for loop

2. Explain two purposes of using loops

Important long questions

1. Write a program that stores the ages of 5 persons in an array and then display on screen.

2. Write a program that displays the values from 1-10 on computer screen

3. Write a program that adds corresponding elements of two arrays.

4. Write a program that displays factorials numbers from 1-7

Unit 5 (Functions)

Important definitions

Functions, built-in functions, function parameters, user-defined function

Important short questions

1. What is meant by calling a function?

2. Write two advantages of using functions.

3. Write the syntax of the function signature.

Important Long questions

1. Write four advantages of functions

2. Write a function int square(int x); to calculate the square of an integer x.